

ABSTRACT OF THE DISCLOSURE**METHOD AND SYSTEM FOR NETWORK MANAGEMENT PROVIDING ACCESS
TO APPLICATION BANDWIDTH USAGE CALCULATIONS**

A method, system, apparatus, and computer program product is presented for management of a distributed data processing system. The network management framework is able to monitor multiple sources of network packets on various subnets within the distributed data processing system; distributed packet snoopers are deployed from a packet usage manager to monitor the multiple sources of network packets. The system administrator can request packet filtering based upon selected active users or active applications. A bandwidth history database is compiled from bandwidth usage data associated with multiple entities within the data processing system, including users, applications, and/or endpoints within the data processing system. In response to a requested action within the data processing system, bandwidth usage for the requested action can be predicted with reference to the bandwidth history database. The actual and predicted bandwidth usage of requested actions can be displayed to the system administrator in real time.

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